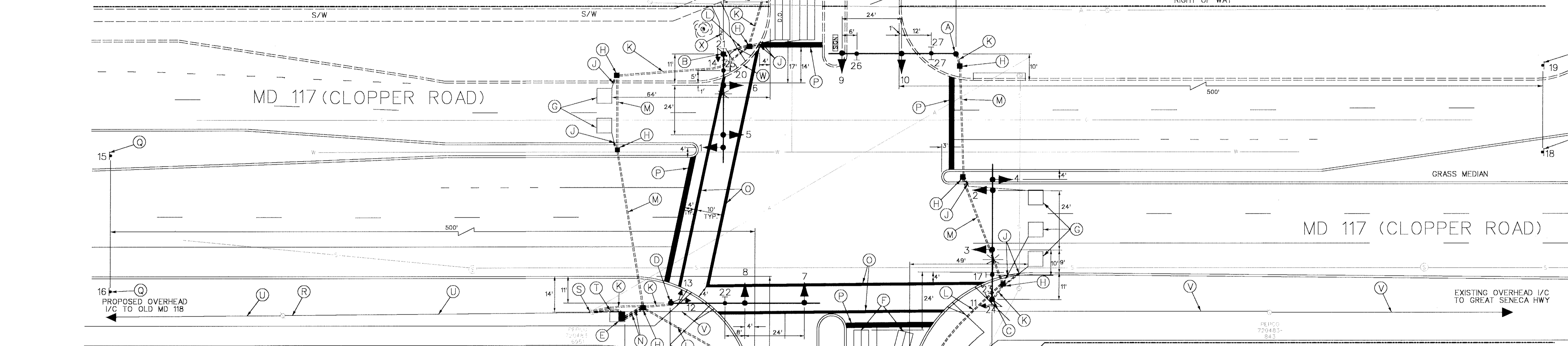


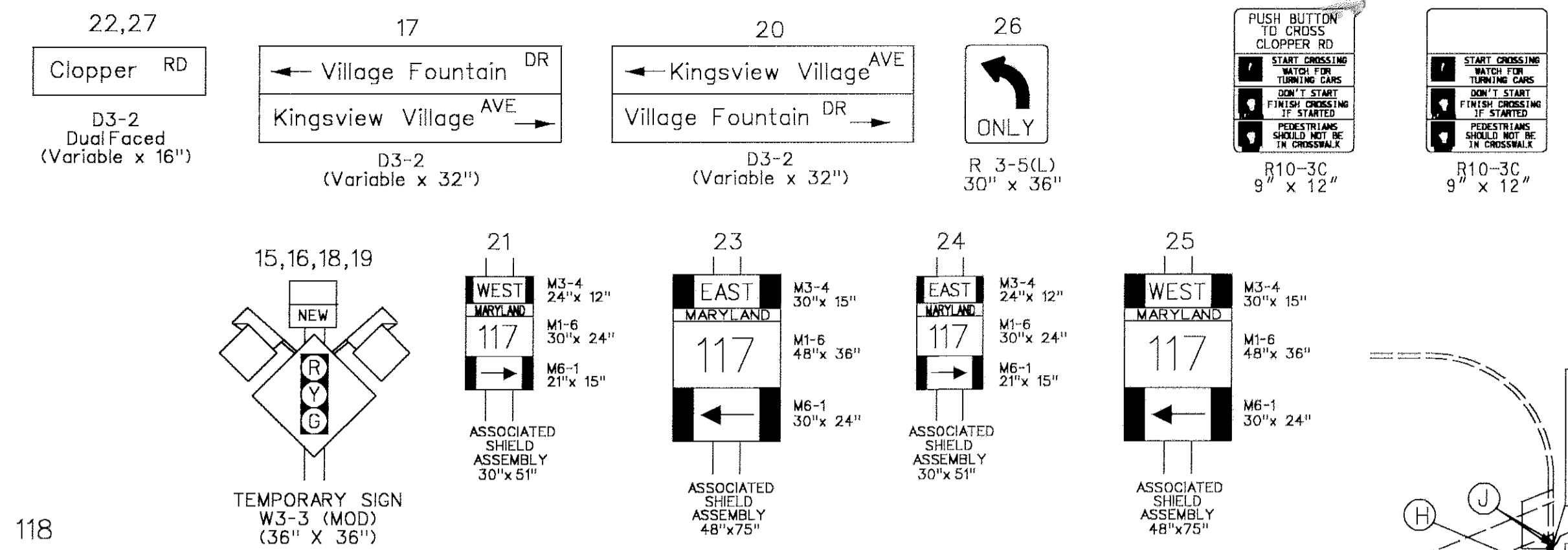
MD 117 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

TO MD 118

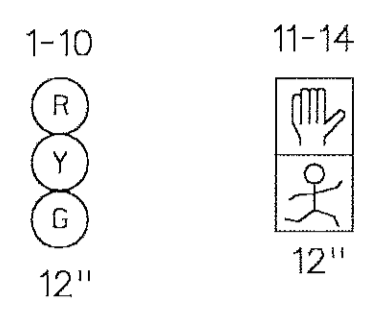


- CONSTRUCTION DETAILS**
- A. Install 27' steel pole with a 50' mast arm, traffic signal heads and signs as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
 - B. Install 27' steel pole with a 44' mast arm, traffic signal heads, signs, 15' lighting arm with a 250W-HPS luminaire, pedestrian signal head and pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
 - C. Install 27' steel pole with a 54' mast arm, traffic signal heads, signs, 15' lighting arm with a 250W-HPS luminaire and pedestrian signal head as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bend.)
 - D. Install 27' steel pole with a 60' mast arm, traffic signal heads, signs, pedestrian signal head and pushbutton with pedestrian education sign as shown. (Note: 1-3", 90° polyvinyl chloride (Schedule 80) bends.)
 - E. Install NEMA size "6" base-mounted cabinet and controller, control and distribution with all necessary equipment as shown. (Note: 2-2", 90° polyvinyl chloride (Schedule 80) bend and 2-4", 90° polyvinyl chloride (Schedule 80) bends.)
 - F. Install 6' x 22' loop detector encased in 1/4" flexible tubing quadrupole type (3-6-3).
 - G. Install 6' x 6' loop detector encased in 1/4" flexible tubing (4-turns).
 - H. Install handhole.
 - J. Install 1" liquid tight flexible non-metallic electrical conduit (detector wire sleeve).
 - K. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
 - L. Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) (to be tunneled under sidewalk).
 - M. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (bored).
 - N. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
 - O. Install 12" (white) heat applied permanent preformed thermoplastic pavement markings as shown. (crosswalk)
 - P. Install 24" (white) heat applied permanent preformed thermoplastic pavement markings as shown. (stopline)
 - Q. Install ground mounted W3-3 sign as shown.
 - R. Cut existing overhead interconnect cable at PEPCO pole and pull cable back to proposed cabinet. Remove the existing overhead 50-pair I/C west to the cabinet at MD 117 and Liberty Mill Road and replace in kind with a new run of 50-pair from Liberty Mill Road east to Kingsville Village Avenue.
 - S. Install 1-3" polyvinyl chloride riser, 1-3" weatherhead and 1-3", 90° polyvinyl chloride (Schedule 80) bend onto PEPCO pole #720483-6951 as shown.
 - T. Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched), for proposed underground electrical service by PEPCO.
 - U. Install 50-pair telemetry cable (self-supporting) as shown.
 - V. Existing overhead 50-pair telemetry cable to remain.
 - W. Remove existing curb and gutter and replace with depressed curb and gutter and install handicap ramp as shown.
 - X. Install 4' wide sidewalk as shown.

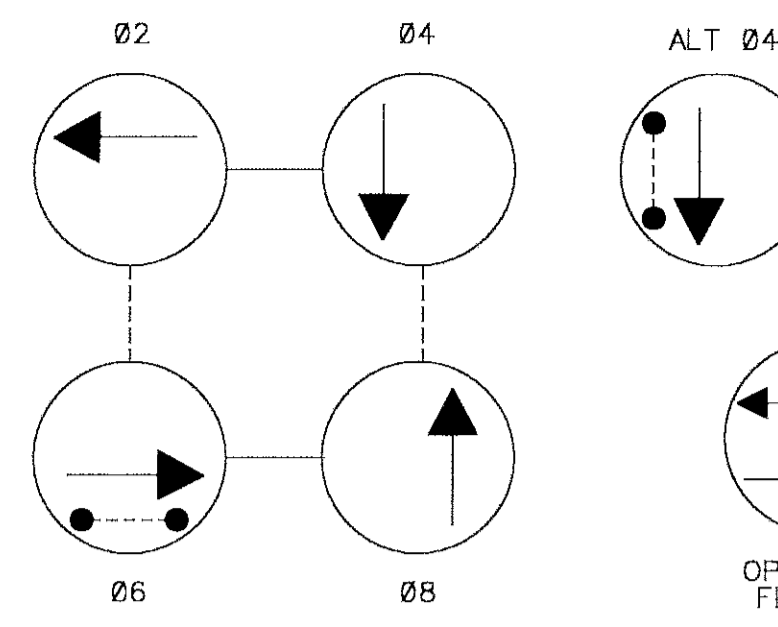
PROPOSED SIGNS



PROPOSED SIGNALS



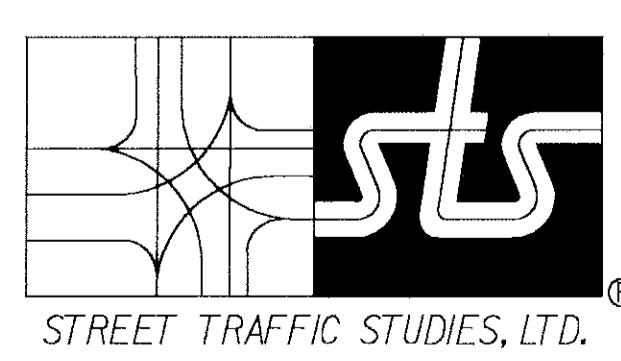
NEMA PHASING



PHASING NOTES:
1. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

- GENERAL NOTES:**
- 1. Pavement markings detailed are proposed and are to be installed by the contractor in accordance with S.H.A. standards.
 - 2. Pavement markings not detailed are to be installed by others.
 - 3. The loop detectors and conduit are to be installed prior to the installation of pavement markings.

NOTE:
All proposed pavement markings on Kingsview Village Avenue are proposed and are to be installed by others.



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3465.DGN

REVISIONS	APPROVALS
	ASST. CHIEF TRAFFIC SECTION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMIN
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIV
MD 117 AND KINGSVIEW VILLAGE AVE

DRAWN BY: ANGELUS BULLOCK	COUNTY: MONTGOMERY	TS NO.
CHECK BY: <i>[Signature]</i>	LOG MILE: 150117	3885
DATE: 3-4-99	F.A.P. NO.	T.I.M.S. NO.
SCALE: 1" = 20'	S.H.A. NO.	D-261